

**Commonwealth of Kentucky
Natural Resources and Environmental Protection Cabinet
Department for Environmental Protection
Division for Air Quality
803 Schenkel Lane
Frankfort, Kentucky 40601
(502) 573-3382**

AIR QUALITY PERMIT

Permittee Name: The Gates Corporation
DBA The Gates Rubber Company
Mailing Address: 300 College Street Road
Elizabethtown, Kentucky 42701

Source Name: The Gates Rubber Company
Mailing Address: same as above

Source Location: same as mailing address

Permit Type: Federally-Enforceable
Review Type: Title V, Synthetic Minor

Permit Number: V-00-039
Log Number: 51206 (G419)
Application
Complete Date: October 31, 2000

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Region: Frankfort
County: Hardin

Issuance Date: May 25, 2001
Expiration Date: May 25, 2006

**John E. Hornback, Director
Division for Air Quality**

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SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application which was determined to be complete on October 31, 2000, the Kentucky Division for Air Quality hereby authorizes the construction and operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first having submitted a complete application and receiving a permit for the planned activity from the permitting authority, except as provided in this permit or in the Regulation 401 KAR 50:035, Permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

01 (B01) BOILER #1
Natural gas fired
51 MMBtu/hr rated capacity
Union Iron Works, installed 1969
Fuel oils #2 and #6 are secondary fuels

02 (B02) BOILER #2
Natural gas fired
51 MMBtu/hr rated capacity
Union Iron Works, installed 1969
Fuel oils #2 and #6 are secondary fuels

APPLICABLE REGULATIONS: 401 KAR 61:015, Existing indirect heat exchangers, applies to the particulate emissions and sulfur dioxide emissions of indirect heat exchangers with a capacity of greater than one million BTU per hour that were commenced before April 9, 1972 (for indirect heat exchangers with a capacity of 250 million BTU per hour heat input or less).

1. Operating Limitations: None.

2. Emission Limitations:

- a. Particulate Matter Mass Emission Limit: Pursuant to 401 KAR 61:015 Section 4, emissions of particulate matter shall not exceed 0.44 pounds per million BTU actual heat input.
- b. Opacity Limit: Pursuant to 401 KAR 61:015 Section 4, no emissions may exhibit greater than forty (40) percent opacity except during the building of a new fire and only for the period required to bring the boiler up to operating conditions provided the method used is that recommended by the manufacturer and the time does not exceed the manufacturer's recommendation.
- c. Standard for Sulfur Dioxide, Pursuant to 401 KAR 61:015 Section 5, emissions of sulfur dioxide shall not exceed 4.5 pounds per million BTU actual heat input on any twenty-four (24) hour average.

Please refer to Section D.2 and D.3 for source-wide emission limits.

Compliance Demonstration Method:

- a. Particulate Matter Mass Emission Limit: No compliance demonstration is necessary. The potential and actual emission rates are less than half of the allowable emission rate for both natural gas and fuel oils #2 and #6.
- b. Opacity Limit: No compliance demonstration is necessary while the boilers are fired with natural gas. When using fuel oils #2 or #6, the permittee shall determine compliance through performance of visual observations as detailed under Specific Monitoring Requirements below.
- c. Standard for Sulfur Dioxide: No compliance demonstration is necessary. The potential and actual emission rates of sulfur dioxide are less than seventy (70) percent of the allowable emission rate for both natural gas and fuel oils #2 and #6.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

3. **Testing Requirements:** None.

4. **Specific Monitoring Requirements:**

- a. The permittee shall monitor and maintain records the following parameters:
 1. The monthly usage of natural gas for each boiler.
 2. The monthly usage of fuel oil #2 (in gallons) for each boiler.
 3. The monthly usage of fuel oil #6 (in gallons) for each boiler.
 4. The sulfur content and heat content of any fuel oil burned. These may be determined by fuel sampling and analysis or by fuel supplier certification.
- b. When either boiler is using fuel oil, the permittee shall perform a qualitative visual observation of the opacity of emissions from its stack on a daily basis. An observation must be performed within twelve (12) hours following any time when either boiler begins using fuel oil. If at any time visible emissions from either stack are perceived to exceed the applicable standard or abnormal emissions are observed, the permittee shall determine the opacity of emissions in accordance with 40 CFR 60 Appendix A, Method 9, within 24 hours of the incident. All required Method 9 readings shall be performed by a representative of the permittee who is certified in visible emissions observations. A visual observation of opacity is not required for a maintenance-related start-up of the boilers if the duration is 30 minutes or less.

5. **Specific Recordkeeping Requirements:**

The permittee shall maintain records of the following:

- a. All of the parameters monitored in 4. Specific Monitoring Requirements, part a.
- b. A log (with dates and times recorded) of all visual observations, including whether any visible emissions were observed and whether the emissions were normal for the stack.
- c. If required, the opacity readings obtained by Method 9 and their corresponding time and date, and the name of the person performing the reading.

All records shall be kept for a period of five years.

6. **Specific Reporting Requirements:**

Please refer to reporting requirements in Section F.5.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**03 (B03) BOILER #3**

Natural gas fired

80 MMBtu/hr rated capacity

Combustion Engineering Incorporated, installed 1986

Fuel oils #2 and #6 are secondary fuels

APPLICABLE REGULATIONS: 401 KAR 59:015, New indirect heat exchangers, applies to the particulate emissions and sulfur dioxide emissions of indirect heat exchangers with a capacity of greater than one million BTU per hour that were commenced on or after April 9, 1972 (for indirect heat exchangers with a capacity of 250 million BTU per hour heat input or less).

1. **Operating Limitations:** None.

2. **Emission Limitations:**

- a. Particulate Matter Mass Emission Limit: Pursuant to 401 KAR 59:015 Section 4, emissions of particulate matter shall not exceed 0.34 pounds per million BTU actual heat input.
- b. Opacity Limit: Pursuant to 401 KAR 59:015 Section 4, no emissions may exhibit greater than twenty (20) percent opacity except (1) during the building of a new fire and only for the period required to bring the boiler up to operating conditions provided the method used is that recommended by the manufacturer and the time does not exceed the manufacturer's recommendations and (2) when cleaning the fire box or blowing soot a maximum of forty (40) percent opacity shall be permissible for not more than six (6) consecutive minutes in any sixty (60) consecutive minutes.
- c. Standard for Sulfur Dioxide, Pursuant to 401 KAR 59:015 Section 5, emissions of sulfur dioxide shall not exceed 1.3 pounds per million BTU actual heat input.

Please refer to Section D.2 and D.3 for source-wide emission limits.

Compliance Demonstration Method:

- a. Particulate Matter Mass Emission Limit: No compliance demonstration is necessary. The potential and actual emission rates are less than sixty (60) percent of the allowable emission rate for both natural gas and fuel oils #2 and #6.
- b. Opacity Limit: No compliance demonstration is necessary when the boiler is fired with natural gas. When using fuel oil #6, the permittee shall determine compliance through performance of visual observations as detailed under Specific Monitoring Requirements.
- c. Standard for Sulfur Dioxide: No compliance demonstration is necessary while the boiler is fired with natural gas. When using fuel oil #6, the permittee shall determine compliance with a daily calculation using the following equation:

Actual emissions (pounds per million BTU) = [0.157] X [Sulfur content of fuel in units of weight percent] / [Heat content of fuel in units of million BTU per gallon]

When using fuel oil #2, the permittee shall determine compliance with a daily calculation using the following equation:

Actual emissions (pounds per million BTU) = [0.142] X [Sulfur content of fuel in units of weight percent] / [Heat content of fuel in units of million BTU per gallon]

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

3. **Testing Requirements:** None.

4. **Specific Monitoring Requirements:**

- a. The permittee shall monitor and maintain records the following parameters:
 1. The monthly usage of natural gas.
 2. The monthly usage of fuel oil #2 (in gallons).
 3. The monthly usage of fuel oil #6 (in gallons).
 4. The sulfur content and heat content of any fuel oil burned. These may be determined by fuel sampling and analysis or by fuel supplier certification.
- b. When the boiler is using fuel oil, the permittee shall perform a qualitative visual observation of the opacity of emissions from its stack on a daily basis. An observation must be performed within twelve (12) hours following any time when the boiler begins using fuel oil. If at any time visible emissions from the stack are perceived to exceed the applicable standard or abnormal emissions are observed, the permittee shall determine the opacity of emissions in accordance with 40 CFR 60 Appendix A, Method 9, within 24 hours of the incident. All required Method 9 readings shall be performed by a representative of the permittee who is certified in visible emissions observations. A visual observation of opacity is not required for a maintenance-related start-up of the boiler if the duration is 30 minutes or less.

5. **Specific Recordkeeping Requirements:**

The permittee shall maintain records of the following:

- a. All of the parameters monitored in 4. Specific Monitoring Requirements, part a.
- b. A log (with dates and times recorded) of all visual observations, including whether any visible emissions were observed and whether the emissions were normal for the stack.
- c. If required, the opacity readings obtained by Method 9 and their corresponding time and date, and the name of the person performing the reading.

All records shall be kept for a period of five years.

6. **Specific Reporting Requirements:**

Please refer to reporting requirements in Section F.5.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

04 (B04) CARBON BLACK LOADING, UNLOADING, AND STORAGE

Railcar unloading into underground closed transfer system

Loading of two (2) storage silos via underground closed transfer system

Loading of two (2) surge bins via enclosed conveyor system

Systems constructed in 1978

Particulate emissions are controlled by five baghouses. Railcar unloading is controlled by a DCE Vokes DLM V7F pulse-air baghouse, the silos are controlled by two DCE Vokes DLM V-10-F reverse-air baghouses, and the surge bins are controlled by two DCE Vokes UMA 150H shaker baghouses.

APPLICABLE REGULATIONS: 401 KAR 59:010, New Process Operations, applies to the particulate matter emissions from units constructed on or after July 2, 1975, which are not subject to another emissions standard with respect to particulates in 401 KAR Chapter 59.

1. Operating Limitations:

The baghouses shall control emissions of particulate matter from railcar unloading, silo loading and storage, and surge bin loading. The baghouses shall be operated properly in accordance with manufacturer's specifications and/or standard operating procedures as approved by the division. The permittee has requested this limitation to meet the requirements of 401 KAR 59:010.

Compliance Demonstration Method: The permittee shall record the occurrence, duration, cause, and any corrective action taken for each incident when the particulate emissions were not properly controlled by one of the baghouses.

2. Emission Limitations:

- a. Mass Emission Limit: Pursuant to 401 KAR 59:010, Section 3(2), the emission rate of particulate matter shall not exceed 9.41 lb/hr for the railcar unloading and silo loading, and 7.57 lb/hr for the surge bin loading.
- b. Opacity Limit: Pursuant to 401 KAR 59:010, Section 3(1), no person shall cause, suffer, allow, or permit any continuous emission into the open air from a control device or stack which is equal to or greater than twenty (20) percent opacity.

Compliance Demonstration Method: Compliance with the mass emission limit and opacity limit is assumed when the baghouses control the emissions of particulate matter and are operated properly in accordance with manufacturer's specifications and/or standard operating procedures as approved by the division.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

3. Testing Requirements:

Pursuant to 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 1, performance testing using the Reference Methods specified in 401 KAR 50:015 shall be conducted as required by the division.

4. Specific Monitoring Requirements:

- a. The permittee shall monitor the following parameters:
 - 1. The monthly weight of carbon black unloaded from railcar to the storage silo.
 - 2. The monthly weight of carbon black loaded from the silo to the surge bins.
- b. The permittee shall perform a qualitative visual observation of emissions from each baghouse on a daily basis (when the baghouse is controlling emissions). The observations should be performed during typical operation. If at any time visible emissions are perceived to be abnormal, the permittee shall determine the cause of the abnormal emissions and correct the problem as quickly as practicable.

5. Specific Recordkeeping Requirements:

The permittee shall maintain records of the following:

- a. All of the parameters monitored in 4. Specific Monitoring Requirements, part a.
- b. A log (with dates and times recorded) of all visual observations, including whether any visible emissions were observed and whether the emissions were normal for the stack.
- c. Each incident when particulate emissions were not properly controlled by a baghouse. This record shall include the date, time, duration, cause, and any corrective action taken.
- d. All maintenance activities performed at each baghouse, including preventive maintenance and routine inspections.

All records shall be kept for a period of five years.

6. Specific Reporting Requirements:

Please refer to reporting requirements in Section F.5.

7. Specific Control Equipment Operating Conditions:

Please refer to Section E.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

05 (B05) INTERNAL RUBBER MIXERS

Two (2) Banbury mixers, installed 1965

Particulate emissions are controlled by two BHA R-15-165-120 pulse-jet baghouses.

APPLICABLE REGULATIONS: 401 KAR 61:020, Existing Process Operations, applies to the particulate matter emissions from units constructed before July 2, 1975, which are not subject to another emissions standard with respect to particulates in 401 KAR Chapter 61.

1. Operating Limitations:

The baghouses shall control emissions of particulate matter and shall be operated properly in accordance with manufacturer's specifications and/or standard operating procedures as approved by the division. The permittee has requested this limitation to meet the requirements of 401 KAR 61:020.

Compliance Demonstration Method: The permittee shall record the occurrence, duration, cause, and any corrective action taken for each incident when the particulate emissions were not properly controlled by one of the baghouses.

2. Emission Limitations:

- a. Mass Emission Limit: Pursuant to 401 KAR 61:020, Section 3(2), the emission rate of particulate matter shall not exceed 10.4 lb/hr for the Banbury mixers.
- b. Opacity Limit: Pursuant to 401 KAR 61:020, Section 3(1), no person shall cause, suffer, allow, or permit any continuous emission into the open air from a control device or stack associated with any affected facility which is equal to or greater than forty (40) percent opacity.

Compliance Demonstration Method: Compliance with the mass emission limit and opacity limit is assumed when the baghouses control the emissions of particulate matter and are operated properly in accordance with manufacturer's specifications and/or standard operating procedures as approved by the division.

3. Testing Requirements:

Pursuant to 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 1, performance testing using the Reference Methods specified in 401 KAR 50:015 shall be conducted as required by the division.

4. Specific Monitoring Requirements:

- a. The permittee shall monitor the monthly weight of uncured rubber processed.
- b. The permittee shall perform a qualitative visual observation of emissions from each baghouse on a daily basis (when the baghouse is controlling emissions). The observations should be performed during typical operation. If at any time visible emissions are perceived to be abnormal, the permittee shall determine the cause of the abnormal emissions and correct the problem as quickly as practicable.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Specific Recordkeeping Requirements:

The permittee shall maintain records of the following:

- a. The weight of uncured rubber processed monthly.
- b. A log (with dates and times recorded) of all visual observations, including whether any visible emissions were observed and whether the emissions were normal for the stack.
- c. Each incident when particulate emissions were not properly controlled by a baghouse. This record shall include the date, time, duration, cause, and any corrective action taken.
- d. All maintenance activities performed at each baghouse, including preventive maintenance and routine inspections.

All records shall be kept for a period of five years.

6. Specific Reporting Requirements:

Please refer to reporting requirements in Section F.5.

7. Specific Control Equipment Operating Conditions:

Please refer to Section E.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

06 (B05) RUBBER COMPOUND PROCESSING

One (1) Drop Mill, installed 1999

One (1) Sheet Preformer, installed 1998

Two (2) Warm-up/Finish Mills, installed 1965

One (1) Rubber Calendar, installed 1965

APPLICABLE REGULATIONS: None

1. **Operating Limitations:** None

2. **Emission Limitations:** None

3. **Testing Requirements:**

Pursuant to 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 1, performance testing using the Reference Methods specified in 401 KAR 50:015 shall be conducted as required by the division.

4. **Specific Monitoring Requirements:**

The permittee shall monitor and maintain records of the monthly weight of uncured rubber processed by the warm-up/finish mills and calendars.

5. **Specific Recordkeeping Requirements:**

Please refer to 4. Specific Monitoring Requirements.

All records shall be kept for a period of five years.

6. **Specific Reporting Requirements:**

Please refer to reporting requirements in Section F.5.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

07 (B06) SCRAP CHOPPING

Hammermill Scrap Chopper, installed 1978

Particulate emissions are controlled by a Sly Manufacturing 18879A shaker baghouse

APPLICABLE REGULATIONS: 401 KAR 59:010, New Process Operations, applies to the particulate matter emissions from units constructed on or after July 2, 1975, which are not subject to another emissions standard with respect to particulates in 401 KAR Chapter 59.

1. Operating Limitations:

The baghouse shall control emissions of particulate matter and shall be operated properly in accordance with manufacturer's specifications and/or standard operating procedures as approved by the division. The permittee has requested this limitation to meet the requirements of 401 KAR 59:010.

Compliance Demonstration Method: The permittee shall record the occurrence, duration, cause, and any corrective action taken for each incident when the scrap chopper was in operation but the baghouse was not.

2. Emission Limitations:

- a. Mass Emission Limit: Pursuant to 401 KAR 59:010, Section 3(2), the emission rate of particulate matter shall not exceed 2.34 lb/hr.
- b. Opacity Limit: Pursuant to 401 KAR 59:010, Section 3(1), no person shall cause, suffer, allow, or permit any continuous emission into the open air from a control device or stack which is equal to or greater than twenty (20) percent opacity.

Compliance Demonstration Method: Compliance with the mass emission limit and opacity limit is assumed when the baghouse controls the emissions of particulate matter and is operated properly in accordance with manufacturer's specifications and/or standard operating procedures as approved by the division.

3. Testing Requirements:

Pursuant to 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 1, performance testing using the Reference Methods specified in 401 KAR 50:015 shall be conducted as required by the division.

4. Specific Monitoring Requirements:

- a. The permittee shall monitor the monthly weight of cured rubber entering the scrap chopper.
- b. The permittee shall perform a qualitative visual observation of emissions from the baghouse on a daily basis (when the baghouse is controlling emissions). The observations should be performed during typical operation. If at any time visible emissions are perceived to be abnormal, the permittee shall determine the cause of the abnormal emissions and correct the problem as quickly as practicable.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Specific Recordkeeping Requirements:

The permittee shall maintain records of the following:

- a. The weight of cured rubber processed monthly.
- b. A log (with dates and times recorded) of all visual observations, including whether any visible emissions were observed and whether the emissions were normal for the stack.
- c. Each incident when particulate emissions were not properly controlled by a baghouse. This record shall include the date, time, duration, cause, and any corrective action taken.
- d. All maintenance activities performed at the baghouse, including preventive maintenance and routine inspections.

All records shall be kept for a period of five years.

6. Specific Reporting Requirements:

Please refer to reporting requirements in Section F.5.

7. Specific Control Equipment Operating Conditions:

Please refer to Section E.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

08 (B07,B08) DEPT 25 BELT MANUFACTURING

Five (5) Belt Builders, installed 1966
Two (2) Belt Builders, installed 1969
One (1) Belt Builder, installed 1980
Twelve (12) Vulcanizers, installed 1966
One (1) Vulcanizer, installed 1967
Seven (7) Vulcanizers, installed 1968
Five (5) Vulcanizers, installed 1969
Two (2) Vulcanizers, installed 1970
One (1) Vulcanizer, installed 1971
Three (3) Vulcanizers, installed 1974
Two (2) Vulcanizers, installed 1976
Eleven (11) Vulcanizers, installed 1984

APPLICABLE REGULATIONS: None.

1. **Operating Limitations:** None.

2. **Emission Limitations:** None.

3. **Testing Requirements:**

Pursuant to 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 1, performance testing using the Reference Methods specified in 401 KAR 50:015 shall be conducted as required by the division.

4. **Specific Monitoring Requirements:**

The permittee shall monitor and maintain records of the following parameters:

- a. The monthly weight of uncured rubber entering the vulcanizers.
- b. Please refer to the monitoring requirements of Section D.1.

5. **Specific Recordkeeping Requirements:**

Please refer to 4. Specific Monitoring Requirements. All records shall be kept for a period of five years.

6. **Specific Reporting Requirements:**

Please refer to reporting requirements of Section F.5.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

09 (B09,B10,1C,2B) DEPT 45 BELT BUILDERS AND VULCANIZERS

One (1) Belt Builder, installed 1973
Four (4) Belt Builders, installed 1977
Two (2) Belt Builders, installed 1978
One (1) Belt Builder, installed 1979
Two (2) Belt Builders, installed 1998
Eight (8) Belt Builders, proposed 2001
Five (5) Vulcanizers, installed 1991
One (1) Vulcanizer, installed 1992
One (1) Vulcanizer, installed 1995
Two (2) Vulcanizers, installed 1998
Twenty-six (26) Vulcanizers, installed 1999
Two (2) Vulcanizers, proposed 2001

APPLICABLE REGULATIONS: None.

1. **Operating Limitations:** None.

2. **Emission Limitations:** None.

3. **Testing Requirements:**

Pursuant to 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 1, performance testing using the Reference Methods specified in 401 KAR 50:015 shall be conducted as required by the division.

4. **Specific Monitoring Requirements:**

The permittee shall monitor and maintain records of the following parameters:

- a. The monthly weight of uncured rubber entering the vulcanizers.
- b. Please refer to the monitoring requirements of Section D.1.

5. **Specific Recordkeeping Requirements:**

Please refer to 4. Specific Monitoring Requirements. All records shall be kept for a period of five years.

6. **Specific Reporting Requirements:**

Please refer to reporting requirements of Section F.5.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

10 (B11) DEPT 45 BELT GRINDERS

Four (4) Belt Grinders, installed 1981
Four (4) Belt Grinders, installed 1982
One (1) Belt Grinder, installed 1985
Ten (10) Belt Grinders, installed 1986
Four (4) Belt Grinders, installed 1987
Six (6) Belt Grinders, installed 1988
Eight (8) Belt Grinders, installed 1989
Seven (7) Belt Grinders, installed 1991

Particulate emissions are controlled by eight (8) Sly Manufacturing Company Dynaclone cyclones and fourteen (14) Smog-Hog SH-CO-PE-XB ESPs.

APPLICABLE REGULATIONS: 401 KAR 59:010, New Process Operations, applies to the particulate matter emissions from units constructed on or after July 2, 1975, which are not subject to another emissions standard with respect to particulates in 401 KAR Chapter 59.

1. Operating Limitations:

A cyclone and ESP system shall control emissions of particulate matter and shall be operated properly in accordance with manufacturer's specifications and/or standard operating procedures as approved by the division. The permittee has requested this limitation to meet the requirements of 401 KAR 59:010.

Compliance Demonstration Method: The permittee shall record the occurrence, duration, cause, and any corrective action taken for each incident when belt grinders were in operation but the particulate emissions were not properly controlled by a cyclone and ESP system.

2. Emission Limitations:

- a. Mass Emission Limit: Pursuant to 401 KAR 59:010, Section 3(2), the emission rate of particulate matter shall not exceed 5.52 lb/hr.
- b. Opacity Limit: Pursuant to 401 KAR 59:010, Section 3(1), no person shall cause, suffer, allow, or permit any continuous emission into the open air from a control device or stack which is equal to or greater than twenty (20) percent opacity.

Compliance Demonstration Method: Compliance with the mass emission limit and opacity limit is assumed when a cyclone and ESP system controls the emissions of particulate matter and is operated properly in accordance with manufacturer's specifications and/or standard operating procedures as approved by the division.

3. Testing Requirements:

Pursuant to 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 1, performance testing using the Reference Methods specified in 401 KAR 50:015 shall be conducted as required by the division.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

4. Specific Monitoring Requirements:

- a. The permittee shall monitor the monthly weight of drive belts entering the belt grinders.
- b. The permittee shall monitor the electronic warning system of each ESP at least once every eight (8) hours (once per shift) when that cyclone and ESP system is controlling emissions.

5. Specific Recordkeeping Requirements:

The permittee shall maintain records of the following:

- a. The weight of drive belts processed monthly.
- b. A log or logs (with dates and times recorded) of the monitoring of the warning system on each ESP, including the status of the warning light and the time/date and type of any corrective action taken.
- c. Each incident when particulate emissions were not properly controlled by a cyclone and ESP system. This record shall include the date, time, duration, cause, and any corrective action taken.
- d. All maintenance activities performed at each cyclone and ESP, including preventive maintenance and routine inspections.

All records shall be kept for a period of five years.

6. Specific Reporting Requirements:

Please refer to reporting requirements in Section F.5.

7. Specific Control Equipment Operating Conditions:

Please refer to Section E.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

11 (B12,B13,1A,2A) DEPT 46 BELT MANUFACTURING

One (1) Belt Builder, installed 1970
Three (3) Belt Builders, installed 1973
Two (2) Belt Builders, proposed 2001
One (1) Vulcanizer, installed 1976
One (1) Vulcanizer, installed 1978
Three (3) Vulcanizers, installed 1979
Seven (7) Vulcanizers, installed 1995
Ten (10) Vulcanizers, proposed 2001

APPLICABLE REGULATIONS: None.

1. **Operating Limitations:** None.

2. **Emission Limitations:** None.

3. **Testing Requirements:**

Pursuant to 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 1, performance testing using the Reference Methods specified in 401 KAR 50:015 shall be conducted as required by the division.

4. **Specific Monitoring Requirements:**

The permittee shall monitor and maintain records of the following parameters:

- a. The monthly weight of uncured rubber entering the vulcanizers.
- b. Please refer to the monitoring requirements of Section D.1.

5. **Specific Recordkeeping Requirements:**

Please refer to 4. Specific Monitoring Requirements. All records shall be kept for a period of five years.

6. **Specific Reporting Requirements:**

Please refer to reporting requirements of Section F.5.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

12 (B15,B16,1D,2C)

DEPT 47 BELT BUILDERS AND VULCANIZERS

One (1) Belt Builder, installed 1978
One (1) Belt Builder, installed 1989
One (1) Belt Builder, installed 1992
One (1) Belt Builder, installed 1993
Two (2) Belt Builders, proposed 2001
Seven (7) Vulcanizers, installed 1988
Seven (7) Vulcanizers, installed 1992
Five (5) Vulcanizers, installed 1993
One (1) Vulcanizer, installed 2000
Nine (9) Vulcanizers, proposed 2001

APPLICABLE REGULATIONS: None.

1. **Operating Limitations:** None.

2. **Emission Limitations:** None.

3. **Testing Requirements:**

Pursuant to 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 1, performance testing using the Reference Methods specified in 401 KAR 50:015 shall be conducted as required by the division.

4. **Specific Monitoring Requirements:**

The permittee shall monitor and maintain records of the following parameters:

- a. The monthly weight of uncured rubber entering the vulcanizers.
- b. Please refer to the monitoring requirements of Section D.1.

5. **Specific Recordkeeping Requirements:**

Please refer to 4. Specific Monitoring Requirements. All records shall be kept for a period of five years.

6. **Specific Reporting Requirements:**

Please refer to reporting requirements of Section F.5.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**13 (B17,3) DEPT 47 PROFILE GRINDERS**

Three (3) Belt Grinders, installed 1967
One (1) Belt Grinder, installed 1982
One (1) Belt Grinder, installed 1986
Seven (7) Belt Grinders, installed 1989
Nine (9) Belt Grinders, installed 1992
Seven (7) Belt Grinders, installed 1993
Six (6) Belt Grinders, installed 2000
Sixteen (16) Belt Grinders, proposed 2001

Particulate emissions are controlled by ten (10) Sly Manufacturing Company Dynaclone cyclones and ten (10) Smog-Hog SH-CO-PE-XB ESPs. This permit authorizes the construction of one additional cyclone and ESP system for a total of eleven (11).

APPLICABLE REGULATIONS:

401 KAR 59:010, New Process Operations, applies to the particulate matter emissions from units constructed on or after July 2, 1975, which are not subject to another emissions standard with respect to particulates in 401 KAR Chapter 59. This regulation is applicable to all grinders except the three installed in 1967.

401 KAR 61:020, Existing Process Operations, applies to the particulate matter emissions from units constructed before July 2, 1975, which are not subject to another emissions standard with respect to particulates in 401 KAR Chapter 61. This regulation is only applicable to the three grinders installed in 1967.

1. Operating Limitations:

A cyclone and ESP system shall control emissions of particulate matter and shall be operated properly in accordance with manufacturer's specifications and/or standard operating procedures as approved by the division. The permittee has requested this limitation to meet the requirements of 401 KAR 59:010 and 61:020.

Compliance Demonstration Method: The permittee shall record the occurrence, duration, cause, and any corrective action taken for each incident when belt grinders were in operation but the particulate emissions were not properly controlled by a cyclone and ESP system.

2. Emission Limitations:

- a. Mass Emission Limit: Pursuant to 401 KAR 59:010, Section 3(2), the emission rate of particulate matter shall not exceed 4.54 lb/hr.
- b. Mass Emission Limit: Pursuant to 401 KAR 61:020, Section 3(2), the emission rate of particulate matter shall not exceed 2.58 lb/hr for the three belt grinders installed in 1967.
- c. Opacity Limit: Pursuant to 401 KAR 59:010, Section 3(1), no person shall cause, suffer, allow, or permit any continuous emission into the open air from a control device or stack which is equal to or greater than twenty (20) percent opacity.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

- d. Opacity Limit: Pursuant to 401 KAR 61:020, Section 3(1), no person shall cause, suffer, allow, or permit any continuous emission into the open air from a control device or stack associated with any affected facility which is equal to or greater than forty (40) percent opacity. The is only applicable to the three belt grinders installed in 1967.

Compliance Demonstration Method: Compliance with the mass emission limit and opacity limit is assumed when a cyclone and ESP system controls the emissions of particulate matter and is operated properly in accordance with manufacturer's specifications and/or standard operating procedures as approved by the division.

3. Testing Requirements:

Pursuant to 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 1, performance testing using the Reference Methods specified in 401 KAR 50:015 shall be conducted as required by the division.

4. Specific Monitoring Requirements:

- a. The permittee shall monitor the monthly weight of drive belts entering the grinders.
- b. The permittee shall monitor the electronic warning system of each ESP at least once every eight (8) hours (once per shift) when that cyclone and ESP system is controlling emissions.

5. Specific Recordkeeping Requirements:

The permittee shall maintain records of the following:

- a. The weight of drive belts processed monthly.
- b. A log or logs (with dates and times recorded) of the monitoring of the warning system on each ESP, including the status of the warning light and the time/date and type of any corrective action taken.
- c. Each incident when particulate emissions were not properly controlled by a cyclone and ESP system. This record shall include the date, time, duration, cause, and any corrective action taken.
- d. All maintenance activities performed at each cyclone and ESP, including preventive maintenance and routine inspections.

All records shall be kept for a period of five years.

6. Specific Reporting Requirements:

Please refer to reporting requirements in Section F.5.

7. Specific Control Equipment Operating Conditions:

Please refer to Section E.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

14 (B18,4) DEPT 47 FULL-SLAB GRINDERS

Three (3) Full-slab Grinders, installed 1992

Two (2) Full-Slab Grinders, proposed, 2001

Particulate emissions are controlled by two (2) Fisher-Kolsterman XQ120-17 cyclones.

APPLICABLE REGULATIONS: 401 KAR 59:010, New Process Operations, applies to the particulate matter emissions from units constructed on or after July 2, 1975, which are not subject to another emissions standard with respect to particulates in 401 KAR Chapter 59.

1. Operating Limitations:

A cyclone shall control emissions of particulate matter and shall be operated properly in accordance with manufacturer's specifications and/or standard operating procedures as approved by the division. The permittee has requested this limitation to meet the requirements of 401 KAR 59:010.

Compliance Demonstration Method: The permittee shall record the occurrence, duration, cause, and any corrective action taken for each incident when full-slab grinders were in operation but the particulate emissions were not properly controlled by a cyclone.

2. Emission Limitations:

- a. Mass Emission Limit: Pursuant to 401 KAR 59:010, Section 3(2), the emission rate of particulate matter from each grinder shall not exceed 2.34 lb/hr.
- b. Opacity Limit: Pursuant to 401 KAR 59:010, Section 3(1), no person shall cause, suffer, allow, or permit any continuous emission into the open air from a control device or stack which is equal to or greater than twenty (20) percent opacity.

Compliance Demonstration Method: Compliance with the mass emission limit and opacity limit is assumed when a cyclone controls the emissions of particulate matter and is operated properly in accordance with manufacturer's specifications and/or standard operating procedures as approved by the division.

3. Testing Requirements:

- a. Pursuant to 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 1, performance testing using the Reference Methods specified in 401 KAR 50:015 shall be conducted as required by the division.
- b. Within ninety (90) days after the issuance of this permit, the permittee must perform a stack test to determine the particulate matter (PM) emission rate using testing methods and procedures specified in 401 KAR 59:010 Section 4. The test must be conducted in accordance with General Condition G(d)6 of this permit and the permittee must furnish to the Division for Air Quality's Frankfort Central Office a written report of the results of such performance test.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

4. Specific Monitoring Requirements:

- a. The permittee shall monitor the monthly weight of drive belts entering the grinders.
- b. The permittee shall perform a qualitative visual observation of emissions from each cyclone on a daily basis (when the cyclone is controlling emissions). The observations should be performed during typical operation. If at any time visible emissions are perceived to be abnormal, the permittee shall determine the cause of the abnormal emissions and correct the problem as quickly as practicable.

5. Specific Recordkeeping Requirements:

The permittee shall maintain records of the following:

- a. The weight of drive belts processed monthly.
- b. A log (with dates and times recorded) of all visual observations, including whether any visible emissions were observed and whether the emissions were normal for the stack.
- c. Each incident when particulate emissions were not properly controlled by a cyclone. This record shall include the date, time, duration, cause, and any corrective action taken.
- d. All maintenance activities performed at the cyclone, including preventive maintenance and routine inspections.

All records shall be kept for a period of five years.

6. Specific Reporting Requirements:

Please refer to reporting requirements in Section F.5.

7. Specific Control Equipment Operating Conditions:

Please refer to Section E.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

15 (B19,B20,1B) DEPT 48 BELT BUILDERS AND VULCANIZERS

One (1) Belt Builder, installed 1966
One (1) Belt Builder, installed 1980
Two (2) Belt Builders, installed 1989
One (1) Belt Builder, proposed 2001
One (1) Vulcanizer, installed 1967
One (1) Vulcanizer, installed 1968
Two (2) Vulcanizers, installed 1969

APPLICABLE REGULATIONS: None.

1. Operating Limitations: None.

2. Emission Limitations: None.

3. Testing Requirements:

Pursuant to 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 1, performance testing using the Reference Methods specified in 401 KAR 50:015 shall be conducted as required by the division.

4. Specific Monitoring Requirements:

The permittee shall monitor and maintain records of the following parameters:

- a. The monthly weight of uncured rubber entering the vulcanizers.
- b. Please refer to the monitoring requirements of Section D.1.

5. Specific Recordkeeping Requirements:

Please refer to 4. Specific Monitoring Requirements. All records shall be kept for a period of five years.

6. Specific Reporting Requirements:

Please refer to reporting requirements of Section F.5.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

16 (B21) DEPT 48 BELT GRINDERS

Three (3) Belt Grinders, installed 1982

Particulate emissions are controlled by a Sly Manufacturing Company Dynaclone cyclone and a Smog-Hog SH-CO-PE-XB ESP system.

APPLICABLE REGULATIONS: 401 KAR 59:010, New Process Operations, applies to the particulate matter emissions from units constructed on or after July 2, 1975, which are not subject to another emissions standard with respect to particulates in 401 KAR Chapter 59.

1. Operating Limitations:

A cyclone and ESP system shall control emissions of particulate matter and shall be operated properly in accordance with manufacturer's specifications and/or standard operating procedures as approved by the division. The permittee has requested this limitation to meet the requirements of 401 KAR 59:010.

Compliance Demonstration Method: The permittee shall record the occurrence, duration, cause, and any corrective action taken for each incident when belt grinders were in operation but the particulate emissions were not properly controlled by a cyclone and ESP system.

2. Emission Limitations:

- a. Mass Emission Limit: Pursuant to 401 KAR 59:010, Section 3(2), the emission rate of particulate matter shall not exceed 2.34 lb/hr.
- b. Opacity Limit: Pursuant to 401 KAR 59:010, Section 3(1), no person shall cause, suffer, allow, or permit any continuous emission into the open air from a control device or stack which is equal to or greater than twenty (20) percent opacity.

Compliance Demonstration Method: Compliance with the mass emission limit and opacity limit is assumed when a cyclone and ESP system controls the emissions of particulate matter and is operated properly in accordance with manufacturer's specifications and/or standard operating procedures as approved by the division.

3. Testing Requirements:

Pursuant to 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 1, performance testing using the Reference Methods specified in 401 KAR 50:015 shall be conducted as required by the division.

4. Specific Monitoring Requirements:

- a. The permittee shall monitor the monthly weight of drive belts entering the belt grinders.
- b. The permittee shall monitor the electronic warning system of the ESP at least once every eight (8) hours (once per shift) when the cyclone and ESP system is controlling emissions.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Specific Recordkeeping Requirements:

The permittee shall maintain records of the following:

- a. The weight of drive belts processed monthly.
- b. A log or logs (with dates and times recorded) of the monitoring of the warning system on the ESP, including the status of the warning light and the time/date and type of any corrective action taken.
- c. Each incident when particulate emissions were not properly controlled by a cyclone and ESP system. This record shall include the date, time, duration, cause, and any corrective action taken.
- d. All maintenance activities performed at the cyclone and ESP, including preventive maintenance and routine inspections.

All records shall be kept for a period of five years.

6. Specific Reporting Requirements:

Please refer to reporting requirements in Section F.5.

7. Specific Control Equipment Operating Conditions:

Please refer to Section E.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

17 (B22) DEPT 47 GRINDING DUST TRANSFER SYSTEM

One (1) pneumatic dust transfer system, installed 1992

Particulate emissions are controlled by a Spencer 230-14 pulse-air baghouse.

APPLICABLE REGULATIONS: 401 KAR 59:010, New Process Operations, applies to the particulate matter emissions from units constructed on or after July 2, 1975, which are not subject to another emissions standard with respect to particulates in 401 KAR Chapter 59.

1. Operating Limitations:

The baghouse shall control emissions of particulate matter and shall be operated properly in accordance with manufacturer's specifications and/or standard operating procedures as approved by the division. The permittee has requested this limitation to meet the requirements of 401 KAR 59:010.

Compliance Demonstration Method: The permittee shall record the occurrence, duration, cause, and any corrective action taken for each incident when the dust transfer system was in operation but the baghouse was not.

2. Emission Limitations:

- a. Mass Emission Limit: Pursuant to 401 KAR 59:010, Section 3(2), the emission rate of particulate matter shall not exceed 2.34 lb/hr.
- b. Opacity Limit: Pursuant to 401 KAR 59:010, Section 3(1), no person shall cause, suffer, allow, or permit any continuous emission into the open air from a control device or stack which is equal to or greater than twenty (20) percent opacity.

Compliance Demonstration Method: Compliance with the mass emission limit and opacity limit is assumed when the baghouse controls the emissions of particulate matter and is operated properly in accordance with manufacturer's specifications and/or standard operating procedures as approved by the division.

3. Testing Requirements:

Pursuant to 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 1, performance testing using the Reference Methods specified in 401 KAR 50:015 shall be conducted as required by the division.

4. Specific Monitoring Requirements:

The permittee shall perform a qualitative visual observation of emissions from the baghouse on a daily basis (when the baghouse is controlling emissions). The observations should be performed during typical operation. If at any time visible emissions are perceived to be abnormal, the permittee shall determine the cause of the abnormal emissions and correct the problem as quickly as practicable.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Specific Recordkeeping Requirements:

The permittee shall maintain records of the following:

- a. A log (with dates and times recorded) of all visual observations, including whether any visible emissions were observed and whether the emissions were normal.
- b. Each incident when particulate emissions were not properly controlled by the baghouse. This record shall include the date, time, duration, cause, and any corrective action taken.
- c. All maintenance activities performed at the baghouse, including preventive maintenance and routine inspections.

All records shall be kept for a period of five years.

6. Specific Reporting Requirements:

Please refer to reporting requirements in Section F.5.

7. Specific Control Equipment Operating Conditions:

Please refer to Section E.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**20 (P01, P02, P03) CELL 71 URETHANE BELT MANUFACTURING**

One (1) Prewarmer, installed 1969
One (1) Curative Tank, installed 1974
One (1) Curative Melter, installed 1974
Two (2) Additive Tanks, installed 1969
Two (2) Prepolymer Tanks, installed 1969
One (1) Additive Batching Booth, installed 1969
One (1) Casting Unit, installed 1969
One (1) Dip Tank, installed 1992
One (1) Mold Preparation Unit, installed 1994

APPLICABLE REGULATIONS: 401 KAR 61:020, Existing Process Operations, applies to the particulate matter emissions from units constructed before July 2, 1975, which are not subject to another emissions standard with respect to particulates in 401 KAR Chapter 61. This regulation is applicable to the curative tank and curative melter.

1. **Operating Limitations:** None.

2. **Emission Limitations:**

- a. Mass Emission Limit: Pursuant to 401 KAR 61:020, Section 3(2), the emission rate of particulate matter shall not exceed 2.58 lb/hr for the curative tank and curative melter.
- b. Opacity Limit: Pursuant to 401 KAR 61:020, Section 3(1), no person shall cause, suffer, allow, or permit any continuous emission into the open air from a control device or stack associated with any affected facility which is equal to or greater than forty (40) percent opacity.

Compliance Demonstration Method: No compliance demonstration is required for mass and opacity limits. The uncontrolled potential emission rate of particulate matter is less than 1% of the allowable.

3. **Testing Requirements:**

Pursuant to 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 1, performance testing using the Reference Methods specified in 401 KAR 50:015 shall be conducted as required by the division.

4. **Specific Monitoring Requirements:**

The permittee shall monitor and maintain records of the following parameters:

- a. The monthly usage of prepolymer.
- b. The monthly usage of vibracure.
- c. The monthly usage of toluene and naptha at the dip tank.
- d. Sufficient records of the usage of other materials as needed to accurately calculate the yearly emissions.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Specific Recordkeeping Requirements:

Please refer to 4. Specific Monitoring Requirements. All records shall be kept for a period of five years.

6. Specific Reporting Requirements:

Please refer to reporting requirements of Section F.5.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

21 (P04) CELL 71 BELT CUTTING

Two (2) Upright V-Belt Cutters, installed 1969

Two (2) Ragsdale V-Belt Cutters, installed 1969

Particulate emissions are controlled by an AGET FH-58-1 cyclone and shaker baghouse. There are two of these systems.

APPLICABLE REGULATIONS: 401 KAR 61:020, Existing Process Operations, applies to the particulate matter emissions from units constructed before July 2, 1975, which are not subject to another emissions standard with respect to particulates in 401 KAR Chapter 61.

1. Operating Limitations:

A cyclone and baghouse shall control emissions of particulate matter and shall be operated properly in accordance with manufacturer's specifications and/or standard operating procedures as approved by the division. The permittee has requested this limitation to meet the requirements of 401 KAR 61:020.

Compliance Demonstration Method: The permittee shall record the occurrence, duration, cause, and any corrective action taken for each incident when belt cutters were in operation but the particulate emissions were not properly controlled by a cyclone and baghouse system.

2. Emission Limitations:

- a. Mass Emission Limit: Pursuant to 401 KAR 61:020, Section 3(2), the emission rate of particulate matter shall not exceed 2.58 lb/hr.
- b. Opacity Limit: Pursuant to 401 KAR 61:020, Section 3(1), no person shall cause, suffer, allow, or permit any continuous emission into the open air from a control device or stack which is equal to or greater than forty (40) percent opacity.

Compliance Demonstration Method: Compliance with the mass emission limit and opacity limit is assumed when the cyclone and baghouse control the emissions of particulate matter and are operated properly in accordance with manufacturer's specifications and/or standard operating procedures as approved by the division.

3. Testing Requirements:

Pursuant to 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 1, performance testing using the Reference Methods specified in 401 KAR 50:015 shall be conducted as required by the division.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

4. Specific Monitoring Requirements:

- a. The permittee shall monitor the monthly weight of urethane belts entering the belt grinders.
- b. The permittee shall perform a qualitative visual observation of emissions from each baghouse on a daily basis (when the baghouse is controlling emissions). The observations should be performed during typical operation. If at any time visible emissions are perceived to be abnormal, the permittee shall determine the cause of the abnormal emissions and correct the problem as quickly as practicable.

5. Specific Recordkeeping Requirements:

The permittee shall maintain records of the following:

- a. The weight of drive belts processed monthly.
- b. A log (with dates and times recorded) of all visual observations, including whether any visible emissions were observed and whether the emissions were normal for the stack.
- c. Each incident when particulate emissions were not properly controlled by the cyclone and baghouse. This record shall include the date, time, duration, cause, and any corrective action taken.
- d. All maintenance activities performed at the cyclone and baghouse, including preventive maintenance and routine inspections.

All records shall be kept for a period of five years.

6. Specific Reporting Requirements:

Please refer to reporting requirements in Section F.5.

7. Specific Control Equipment Operating Conditions:

Please refer to Section E.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

22 (P05) CELL 74 URETHANE BATCHING
One (1) Prepolymer Tank, installed 1969

APPLICABLE REGULATIONS: None.

1. **Operating Limitations:** None.
2. **Emission Limitations:** None.
3. **Testing Requirements:**
Pursuant to 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 1, performance testing using the Reference Methods specified in 401 KAR 50:015 shall be conducted as required by the division.
4. **Specific Monitoring Requirements:**
The permittee shall monitor and maintain records of the amount of prepolymer entering the prepolymer tank.
5. **Specific Recordkeeping Requirements:**
Please refer to 4. Specific Monitoring Requirements. All records shall be kept for a period of five years.
6. **Specific Reporting Requirements:**
Please refer to reporting requirements of Section F.5.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

23 (P06) CELL 75 GRINDING

One (1) Flat Belt Grinder, installed 1977

Particulate emissions are controlled by a custom made cyclone.

APPLICABLE REGULATIONS: 401 KAR 59:010, New Process Operations, applies to the particulate matter emissions from units constructed on or after July 2, 1975, which are not subject to another emissions standard with respect to particulates in 401 KAR Chapter 59.

1. **Operating Limitations:** None.

2. **Emission Limitations:**

- a. Mass Emission Limit: Pursuant to 401 KAR 59:010, Section 3(2), the emission rate of particulate matter shall not exceed 2.34 lb/hr.
- b. Opacity Limit: Pursuant to 401 KAR 59:010, Section 3(1), no person shall cause, suffer, allow, or permit any continuous emission into the open air from a control device or stack which is equal to or greater than twenty (20) percent opacity.

Compliance Demonstration Method: No compliance demonstration is required for the mass emission limit. The uncontrolled potential emission rate of particulate matter is less than 20% of the allowable. The permittee shall determine compliance with the opacity limit through performance of visual observations as detailed under Specific Monitoring Requirements.

3. **Testing Requirements:**

Pursuant to 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 1, performance testing using the Reference Methods specified in 401 KAR 50:015 shall be conducted as required by the division.

4. **Specific Monitoring Requirements:**

- a. The permittee shall monitor and maintain records of the monthly weight of cured belt slabs entering the grinder.
- b. The permittee shall perform a qualitative visual observation of emissions from the grinder on a daily basis when it is in operation. If at any time visible emissions from the stack are perceived to exceed the applicable standard or abnormal emissions are observed, the permittee shall determine the opacity of emissions in accordance with 40 CFR 60 Appendix A, Method 9, within 8 operating hours of the incident.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Specific Recordkeeping Requirements:

The permittee shall maintain records of the following:

- a. The weight of cured belts processed monthly.
- b. A log (with dates and times recorded) of all visual observations, including whether any visible emissions were observed and whether the emissions were normal for the stack.
- c. If required, the opacity readings obtained by Method 9 and their corresponding time and date, and the name of the person performing the reading.

All records shall be kept for a period of five years.

6. Specific Reporting Requirements:

Please refer to reporting requirements of Section F.5.

7. Specific Control Equipment Operating Conditions: None.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**24 (P07, P08) CELL 80 URETHANE BELT MANUFACTURING**

One (1) Prewarmer, installed 1986
One (1) Curative Hold Tank, installed 1986
One (1) Curative Glovebox, installed 1986
One (1) Curative Melter, installed 1986
One (1) Curative Additive Tank, installed 1986
One (1) Prepolymer Tank, installed 1986
One (1) Purge Tank, installed 1986
One (1) Casting Unit, installed 1986
One (1) Mold Preparation Unit, installed 1986

APPLICABLE REGULATIONS: 401 KAR 59:010, New Process Operations, applies to the particulate matter emissions from units constructed on or after July 2, 1975, which are not subject to another emissions standard with respect to particulates in 401 KAR Chapter 59. This regulation is applicable to the curative glovebox, curative melter, and purge tank.

1. Operating Limitations: None.

2. Emission Limitations:

- a. Mass Emission Limit: Pursuant to 401 KAR 59:010, Section 3(2), the emission rate of particulate matter shall not exceed 2.34 lb/hr for the curative glovebox, curative melter, and purge tank.
- b. Opacity Limit: Pursuant to 401 KAR 59:010, Section 3(1), no person shall cause, suffer, allow, or permit any continuous emission into the open air from a control device or stack which is equal to or greater than twenty (20) percent opacity.

Compliance Demonstration Method: No compliance demonstration for the mass or opacity limits is required. The uncontrolled potential emission rate of particulate matter is less than 60% of the allowable.

3. Testing Requirements:

Pursuant to 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 1, performance testing using the Reference Methods specified in 401 KAR 50:015 shall be conducted as required by the division.

4. Specific Monitoring Requirements:

The permittee shall monitor and maintain records of the following parameters:

- a. The monthly usage of prepolymer.
- b. The monthly usage of vibracure.
- c. Sufficient records of the usage of other materials as needed to accurately calculate the yearly emissions.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Specific Recordkeeping Requirements:

Please refer to 4. Specific Monitoring Requirements. All records shall be kept for a period of five years.

6. Specific Reporting Requirements:

Please refer to reporting requirements of Section F.5.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

25 (P09, P10, P11) CELL 82 URETHANE BELT MANUFACTURING

One (1) XT2 Mix Unit, installed 1969

One (1) Mold Preparation Unit, installed 1969

One (1) Belt Wash Unit, installed 1969

APPLICABLE REGULATIONS: None.

1. **Operating Limitations:** None.

2. **Emission Limitations:** None.

3. **Testing Requirements:**

Pursuant to 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 1, performance testing using the Reference Methods specified in 401 KAR 50:015 shall be conducted as required by the division.

4. **Specific Monitoring Requirements:**

The permittee shall monitor and maintain records of the monthly usage of prepolymer, curative, and naptha.

5. **Specific Recordkeeping Requirements:**

Please refer to 4. Specific Monitoring Requirements. The permittee shall keep sufficient records of the usage of other materials as needed to accurately calculate the yearly emissions. All records shall be kept for a period of five years.

6. **Specific Reporting Requirements:**

Please refer to reporting requirements of Section F.5.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

26 (P12) CELL 82 GRINDING

One (1) Flat Belt Grinder, installed 1988

Particulate emissions are controlled by a AGET FH-58-1 cyclone and shaker baghouse.

APPLICABLE REGULATIONS: 401 KAR 59:010, New Process Operations, applies to the particulate matter emissions from units constructed on or after July 2, 1975, which are not subject to another emissions standard with respect to particulates in 401 KAR Chapter 59.

1. Operating Limitations:

The cyclone and baghouse shall control emissions of particulate matter and shall be operated properly in accordance with manufacturer's specifications and/or standard operating procedures as approved by the division. The permittee has requested this limitation to meet the requirements of 401 KAR 59:010.

Compliance Demonstration Method: The permittee shall record the occurrence, duration, cause, and any corrective action taken for each incident when the flat belt grinder was in operation but the cyclone and baghouse was not.

2. Emission Limitations:

- a. Mass Emission Limit: Pursuant to 401 KAR 59:010, Section 3(2), the emission rate of particulate matter shall not exceed 2.34 lb/hr.
- b. Opacity Limit: Pursuant to 401 KAR 59:010, Section 3(1), no person shall cause, suffer, allow, or permit any continuous emission into the open air from a control device or stack which is equal to or greater than twenty (20) percent opacity.

Compliance Demonstration Method: Compliance with the mass emission limit and opacity limit is assumed when the cyclone and baghouse control the emissions of particulate matter and are operated properly in accordance with manufacturer's specifications and/or standard operating procedures as approved by the division.

3. Testing Requirements:

Pursuant to 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 1, performance testing using the Reference Methods specified in 401 KAR 50:015 shall be conducted as required by the division.

4. Specific Monitoring Requirements:

The permittee shall monitor the monthly weight of cured belt slabs entering the flat slab grinder.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Specific Recordkeeping Requirements:

The permittee shall maintain records of the following:

- a. The weight of drive belts processed monthly.
- b. A log (with dates and times recorded) of each instance when the alarm on the baghouse deactivates the grinder, including the time/date and type of any corrective action taken.
- c. Each incident when particulate emissions were not properly controlled by the cyclone and baghouse. This record shall include the date, time, duration, cause, and any corrective action taken.
- d. All maintenance activities performed at the cyclone and baghouse, including preventive maintenance and routine inspections.

All records shall be kept for a period of five years.

6. Specific Reporting Requirements:

Please refer to reporting requirements in Section F.5.

7. Specific Control Equipment Operating Conditions:

Please refer to Section E.

SECTION C - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to Regulation 401 KAR 50:035, Section 5(4). While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary.

A. Belt Plant Units

	<u>Description</u>	<u>Generally Applicable Regulation</u>
1.	“D” Ring Stations	63:020
2.	Baler	None
3.	Banbury hydraulic pressure plates	None
4.	Band saws	59:010
5.	Battery Chargers	None
6.	Belt Cutters	59:010
7.	Belt Sander	59:010
8.	Belt Saw	59:010
9.	Drill Press	59:010
10.	Dye Tanks	63:020
11.	Dye Washers	63:020
12.	Small Parts Grinders	59:010
13.	Hood Exhaust	None
14.	Lathes	59:010
15.	Lube Tanks	None
16.	Masticator	None
17.	Milling Machines	59:010

SECTION C - INSIGNIFICANT ACTIVITIES (CONTINUED)

	<u>Description</u>	<u>Generally Applicable Regulation</u>
18.	Notchers	59:010
19.	Profilers	59:010
20.	Sand Blasting	59:010
21.	Shapers	59:010
22.	Solvent Parts Washers	None
23.	Solvent Storage and Transfer	None
24.	Square Cutters	59:010
25.	Steam Cleaner	None
26.	Stripper	None
27.	Welding Booth	59:010; 63:020
28.	Welding Units (mobile)	59:010; 63:020
29.	Wood Saws	59:010
30.	Cooling Towers	None
31.	Oil Storage Tanks	None
32.	Alternative Cure	None
33.	Baghouse Dust Transfer	59:010
34.	Grinding Dust Storage & Removal	59:010
35.	Builders	63:020
36.	Mold Lubing	None

SECTION C - INSIGNIFICANT ACTIVITIES (CONTINUED)**B. Polyflex Plant Units**

	<u>Description</u>	<u>Generally Applicable Regulation</u>
37.	Builders	63:020
38.	Cast Cleaning Bay	None
39.	Caster	None
40.	Cliché Copier – Dark Room	63:020
41.	Cooling Towers	None
42.	Curing Ovens (steam, electric)	63:020
43.	End Sealing Unit	63:020
44.	Finishing and Inspection Stations	63:020
45.	High Pressure Mandrel Cleaning	None
46.	Hot Rooms	63:020
47.	Parts Washer	None
48.	Printers (Hot Stamp)	63:020
49.	Saw Slitters	59:010
50.	Spray Painting (belts)	59:010; 63:020
51.	Spray Painting (maintenance)	59:010; 63:020
52.	Sump	None
53.	Welding Booths	59:010; 63:020
54.	Welding Units (mobile)	59:010; 63:020
55.	Waste Accumulation Container	63:020
56.	Lab Reactor	63:020
57.	Adhesive Liner Application	63:020

SECTION C - INSIGNIFICANT ACTIVITIES (CONTINUED)

	<u>Description</u>	<u>Generally Applicable Regulation</u>
58.	QC Lab / Titration	63:020
59.	Despatch Oven	None

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

1. The permittee shall monitor and maintain the source-wide monthly usage of toluene and toluene-based adhesives.
2. The emissions of sulfur dioxide (SO₂) shall not exceed two hundred and forty (240) tons during any consecutive twelve (12) month period. The source has requested this condition to limit their emissions below the major source threshold for Title I of the Clean Air Act, promulgated in 401 KAR 51:017. **[Synthetic minor permit limit]**

Compliance Demonstration: Compliance shall be determined monthly with a calculation of the source-wide sulfur dioxide emissions from the previous calendar month, and a summation of these monthly emissions numbers from the previous twelve (12) months. The permittee shall maintain records of these calculations for a period of five years.

Monthly SO₂ emissions (in tons) = [0.0003] X [natural gas usage in units of million standard cubic feet burned] + [0.0785] X [fuel oil #6 usage in thousands of gallons] X [sulfur content of fuel oil #6 burned in units of weight percent] + [0.071] X [fuel oil #2 usage in thousands of gallons] X [sulfur content of fuel oil #2 burned in units of weight percent]

The results of these calculations should be submitted in the summary report (see Section F.5).

3. The emissions of nitrogen oxides (NO_x) shall not exceed two hundred and forty (240) tons during any consecutive twelve (12) month period. The source has requested this condition to limit their emissions below the major source threshold for Title I of the Clean Air Act, promulgated in 401 KAR 51:017. **[Synthetic minor permit limit]**

Compliance Demonstration: Compliance shall be determined monthly with a calculation of the source-wide nitrogen oxide emissions from the previous calendar month, and a summation of these monthly emissions numbers from the previous twelve (12) months. The permittee shall maintain records of these calculations for a period of five years.

Monthly NO_x emissions (in tons) = [0.05] X [natural gas usage in units of million standard cubic feet burned] + [0.0275] X [fuel oil #6 usage in thousands of gallons] + [0.01] X [fuel oil #2 usage in thousands of gallons]

The results of these calculations should be submitted in the summary report (see Section F.5).

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS

1. Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
2. All air pollution control devices shall be maintained regularly in accordance with good engineering practices and recommendations of the respective manufacturer.
3. The permittee shall develop and maintain an operation manual for all control devices. The manual shall be modified as necessary to reflect changes in equipment, manufacturer specifications, and the operating history of the device. Operators of the control devices shall receive training on proper operation and maintenance of the control devices upon employment, upon modification of the manual, and at least annually. The permittee is reminded that some changes in equipment and operation may require prior approval from the division.

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS

1. When continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
 - a. Date, place as defined in this permit, and time of sampling or measurements.
 - b. Analyses performance dates;
 - c. Company or entity that performed analyses;
 - d. Analytical techniques or methods used;
 - e. Analyses results; and
 - f. Operating conditions during time of sampling or measurement;
2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality. [401 KAR 50:035, Permits, Section 7(1)(d)2 and 401 KAR 50:035, Permits, Section 7(2)(c)]
3. In accordance with the requirements of Regulation 401 KAR 50:035, Permits, Section 7(2)(c) the permittee shall allow the Cabinet or authorized representatives to perform the following:
 - a. Enter upon the premises where a source is located or emissions-related activity is conducted, or where records are kept;
 - b. Have access to and copy, at reasonable times, any records required by the permit:
 - i. During normal office hours, and
 - ii. During periods of emergency when prompt access to records is essential to proper assessment by the Cabinet;
 - c. Inspect, at reasonable times, any facilities, equipment (including monitoring and pollution control equipment), practices, or operations required by the permit. Reasonable times shall include, but are not limited to the following:
 - i. During all hours of operation at the source,
 - ii. For all sources operated intermittently, during all hours of operation at the source and the hours between 8:00 a.m. and 4:30 p.m., Monday through Friday, excluding holidays, and
 - iii. During an emergency; and
 - d. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements. Reasonable times shall include, but are not limited to the following:
 - i. During all hours of operation at the source,
 - ii. For all sources operated intermittently, during all hours of operation at the source and the hours between 8:00 a.m. and 4:30 p.m., Monday through Friday, excluding holidays, and
 - iii. During an emergency.
4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

5. Summary reports of any monitoring required by this permit shall be submitted to the division's Frankfort Regional Office at least every six (6) months during the life of this permit, unless otherwise stated in this permit. The reports are due within 30 days after the end of each six-month reporting period that commences on the initial issuance date of this permit. The permittee may shift to semi-annual reporting on a calendar year basis upon approval of the regional office. If calendar year reporting is approved, the semi-annual reports are due January 30th and July 30th of each year. All reports shall be certified by a responsible official pursuant to Section 6(1) of Regulation 401 KAR 50:035, Permits. All deviations from permit requirements shall be clearly identified in the reports.
6.
 - a. In accordance with the provisions of Regulation 401 KAR 50:055, Section 1 the owner or operator shall notify the Division for Air Quality's Frankfort Regional Office concerning startups, shutdowns, or malfunctions as follows:
 1. When emissions during any planned shutdowns and ensuing startups will exceed the standards notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
 2. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards notification shall be made as promptly as possible by telephone (or other electronic media) and shall cause written notice upon request.
 - b. In accordance with the provisions of Regulation 401 KAR 50:035, Section 7(1)(e)2, the owner or operator shall report emission related exceedances from permit requirements including those attributed to upset conditions (other than emission exceedances covered by general condition 6 a. above) to the Division for Air Quality's Frankfort Regional Office within 30 days. Other deviations from permit requirements shall be included in the semiannual report required by condition F.5.
7. Pursuant to Regulation 401 KAR 50:035, Permits, Section 7(2)(b), the permittee shall certify compliance with the terms and conditions contained in this permit, annually on the permit issuance anniversary date or by January 30th of each year if calendar year reporting is approved by the regional office, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an approved alternative) to the Division for Air Quality's Frankfort Regional Office and the U.S. EPA in accordance with the following requirements:
 - a. Identification of each term or condition of the permit that is the basis of the certification;
 - b. The compliance status regarding each term or condition of the permit;
 - c. Whether compliance was continuous or intermittent; and
 - d. The method used for determining the compliance status for the source, currently and over the reporting period, pursuant to 401 KAR 50:035, Section 7(1)(c),(d), and (e).

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

- e. The certification shall be postmarked by the thirtieth (30) day following the applicable permit issuance anniversary date, or by January 30th of each year if calendar year reporting is approved by the regional office. **Annual compliance certifications should be mailed to the following addresses:**

**Division for Air Quality
Frankfort Regional Office
643 Teton Trail, Suite B
Frankfort, KY 40601-1758**

**U.S. EPA Region IV
Air Enforcement Branch
Atlanta Federal Center
61 Forsyth St.
Atlanta, GA 30303-8960**

**Division for Air Quality
Central Files
803 Schenkel Lane
Frankfort, KY 40601**

8. In accordance with Regulation 401 KAR 50:035, Section 23, the permittee shall provide the division with all information necessary to determine its subject emissions within thirty (30) days of the date the KYEIS emission report is mailed to the permittee.
9. Pursuant to Section VII.3 of the policy manual of the Division for Air Quality as referenced by Regulation 401 KAR 50:016, Section 1(1), results of performance test(s) required by the permit shall be submitted to the division by the source or its representative within forty-five days after the completion of the fieldwork.

SECTION G - GENERAL CONDITIONS

(a) General Compliance Requirements

1. The permittee shall comply with all conditions of this permit. A noncompliance shall be violations of state regulation 401 KAR 50:035, Permits, Section 7(3)(d) and Federal Statute 42 USC 7401 through 7671q (the Clean Air Act) and is grounds for enforcement action including but not limited to the termination, revocation and reissuance, or revision of this permit.
2. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition.
3. This permit may be revised, revoked, reopened and reissued, or terminated for cause. The permit will be reopened for cause and revised accordingly under the following circumstances:
 - a. If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to Regulation 401 KAR 50:035, Section 12(2)(c);
 - b. The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
 - c. The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit;

Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the division may provide a shorter time period in the case of an emergency.

4. The permittee shall furnish to the division, in writing, information that the division may request to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit. [401 KAR 50:035, Permits, Section 7(2)(b)3e and 401 KAR 50:035, Permits, Section 7(3)(j)]
5. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to the permitting authority.

SECTION G - GENERAL CONDITIONS (CONTINUED)

6. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit. [401 KAR 50:035, Permits, Section 7(3)(k)]
7. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance. [401 KAR 50:035, Permits, Section 7(3)(e)]
8. Except as identified as state-origin requirements in this permit, all terms and conditions contained herein shall be enforceable by the United States Environmental Protection Agency and citizens of the United States.
9. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038, Section 3(6). [401 KAR 50:035, Permits, Section 7(3)(h)]
10. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance. [401 KAR 50:035, Permits, Section 8(3)(b)]
11. This permit shall not convey property rights or exclusive privileges. [401 KAR 50:035, Permits, Section 7 (3)(g)]
12. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Kentucky Cabinet for Natural Resources and Environmental Protection or any other federal, state, or local agency.
13. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry. [401 KAR 50:035, Permits, Section 7(2)(b)5]
14. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders. [401 KAR 50:035, Permits, Section 8(3)(a)]
15. Permit Shield: Except as provided in State Regulation 401 KAR 50:035, Permits, compliance by the affected facilities listed herein with the conditions of this permit shall be deemed to be compliance with all applicable requirements identified in this permit as of the date of issuance of this permit.
16. All previously issued construction and operating permits are hereby subsumed into this permit.

SECTION G - GENERAL CONDITIONS (CONTINUED)**(b) Permit Expiration and Reapplication Requirements**

This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the division. [401 KAR 50:035, Permits, Section 12] (*The five year term is based on the original issued date.*)

(c) Permit Revisions

1. A minor permit revision procedure may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of Regulation 401 KAR 50:035, Section 15.
2. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority thirty (30) days in advance of the transfer.

(d) Construction, Start-Up, and Initial Compliance Demonstration Requirements

1. Construction of process and/or air pollution control equipment authorized by this permit shall be conducted and completed only in compliance with the conditions of this permit.
2. Within thirty (30) days following commencement of construction, and within fifteen (15) days following start-up, and attainment of the maximum production rate specified in the permit application, or within fifteen (15) days following the issuance date of this permit, whichever is later, the permittee shall furnish to the Division for Air Quality's Frankfort Regional Office in writing, with a copy to the division's Frankfort Central Office, notification of the following:
 - a. The date when construction commenced.
 - b. The date of start-up of the affected facilities listed in this permit.
 - c. The date when the maximum production rate specified in the permit application was achieved.

SECTION G - GENERAL CONDITIONS (CONTINUED)

3. Pursuant to 401 KAR 50:035, Permits, Section 13(1), unless construction is commenced on or before 18 months after the date of issue of this permit, or if construction is commenced and then stopped for any consecutive period of 18 months or more, or if construction is not completed within eighteen (18) months of the scheduled completion date, then the construction and operating authority granted by this permit for those affected facilities for which construction was not completed shall immediately become invalid. Extensions of the time periods specified herein may be granted by the division upon a satisfactory request showing that an extension is justified.
4. Operation of the affected facilities for which construction is authorized by this permit shall not commence until compliance with the applicable standards specified herein has been demonstrated pursuant to 401 KAR 50:055, except as provided in Section I of this permit.
5. This permit shall allow time for the initial start-up, operation, and compliance demonstration of the affected facilities listed herein. However, within sixty (60) days after achieving the maximum production rate at which the affected facilities will be operated but not later than 180 days after initial start-up of such facilities, the permittee shall conduct a performance demonstration on the affected facilities in accordance with 401 KAR 50:055, General compliance requirements.
6. Pursuant to Section VII 2.(1) of the policy manual of the Division for Air Quality as referenced by 401 KAR 50:016, Section 1.(1), at least one month prior to the date of the required performance test, the permittee shall complete and return a Compliance Test Protocol (Form DEP 6027) to the division's Frankfort Central Office. Pursuant to 401 KAR 50:045, Section 5, the division shall be notified of the actual test date at least ten (10) days prior to the test.

(e) Acid Rain Program Requirements

If an applicable requirement of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act) is more stringent than an applicable requirement promulgated pursuant to Federal Statute 42 USC 7651 through 7651o (Title IV of the Act), both provisions shall apply, and both shall be state and federally enforceable.

SECTION G - GENERAL CONDITIONS (CONTINUED)

(f) Emergency Provisions

1. An emergency shall constitute an affirmative defense to an action brought for noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or other relevant evidence that:
 - a. An emergency occurred and the permittee can identify the cause of the emergency;
 - b. The permitted facility was at the time being properly operated;
 - c. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and,
 - d. The permittee notified the division as promptly as possible and submitted written notice of the emergency to the division within two working days after the time when emission limitations were exceeded due to the emergency. The notice shall meet the requirements of 401 KAR 50:035, Permits, Section 7(1)(e)2, and include a description of the emergency, steps taken to mitigate emissions, and the corrective actions taken. This requirement does not relieve the source of any other local, state or federal notification requirements.
2. Emergency conditions listed in General Condition (f)1 above are in addition to any emergency or upset provision(s) contained in an applicable requirement.
3. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof. [401 KAR 50:035, Permits, Section 9(3)]

(g) Risk Management Provisions

1. The permittee shall comply with all applicable requirements of 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to:
RMP Reporting Center
P.O. Box 3346
Merrifield, VA, 22116-3346
2. If requested, submit additional relevant information to the division or the U.S. EPA.

SECTION G - GENERAL CONDITIONS (CONTINUED)

(h) Ozone depleting substances

1. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
 - a. Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
 - b. Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
 - c. Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
 - d. Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166.
 - e. Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
 - f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.
2. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

SECTION H - ALTERNATE OPERATING SCENARIOS

The alternate operating scenarios set forth below have been approved by the division based on information supplied with the application and during the application review process. The terms and conditions of each alternate operating scenario have been developed to ensure compliance with the applicable regulations. The permittee, when making a change from one operating scenario to another, shall record contemporaneously in a log at the permitted facility a record of the scenario under which the facility is operating. The permit shield, as provided in Section G, Condition (a)15, shall extend to each alternate operating scenario set forth in this Section. All conditions not specified under an alternate operating scenario shall remain unchanged from their permit values or requirements.

Alternate Scenario: The temporary transfer of *builders*, *vulcanizers*, and *grinders* from one department to another.

Terms and Conditions:

- 1) The transferred affected facility must be connected to similar control equipment with a control efficiency that equals or exceeds that of the ones connected before the transfer.
- 2) The transfer must not cause an increase in the potential to emit of any pollutant at the facility.
- 3) A log of transfers and changes made must be kept at the facility.

SECTION I - COMPLIANCE SCHEDULE

To implement any new monitoring, recordkeeping, and reporting requirements included herein, the division hereby authorizes a thirty (30) day compliance schedule, beginning with issuance of the final permit.